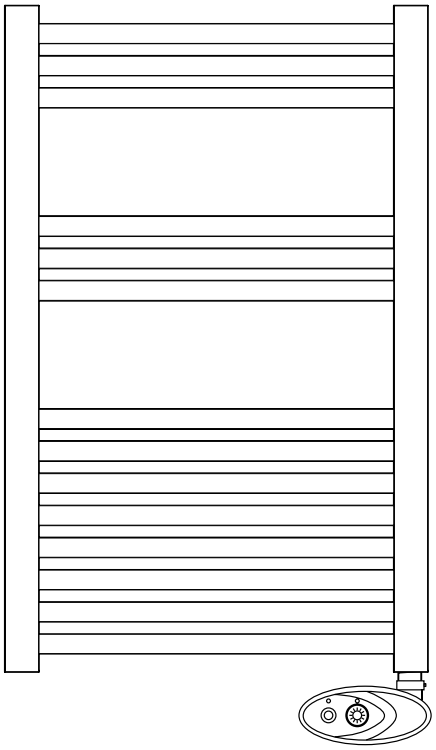
ducasa

# COLORADO MCR/TCR

## Electric Towel Radiator

Instructions for Operating and Installation

(Read these instructions carefully and retain for future reference)



**Models:**

| | |
|---|---|
| **MCR-40/80** | **White** |
| **MCR-40/120** | **White** |
| **MCR-40/140** | **White** |
| **TCR-140** | **Chrome** |

NOTE:

**A qualified electrician must carry out the electrical installation of this radiator. The Electrical installation must comply with current UK regulations. Any claim on the warranty could be invalid if these requirements have not been met.**

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## GENERAL INFORMATION

Manufactured in steel, with a white or chrome finish, the Colorado towel radiator is simple to fit and maintenance-free. Filled with a special heat conducting fluid and with a selection of wattages and two hour boost facility, these towel radiators will grace any home.
The two hour boost facility can be set at the touch of a button and means the radiator will operate at full power for sufficient time to warm your towels while you are bathing and dry them afterwards.

Designed and fabricated in accordance with EN 60335-1, EN 60335-2- 43 and EN 55014 (regulations for domestic appliances)

Standard colour White (RAL 9016)

NEC Class II and IP44 Rated

220–240V A.C.

Wall mounted

On-off main switch

Regulation by electronic thermostat

Comfort, Economy, Turbo and Frost Protection settings

Overheat protection with safety cut-out

Two colour LED indicators to show operating status

Programmable by infrared remote control (Ducasa Remote) – optional

Fitted with connecting power cable 1200mm long (without a plug)

## *Technical Data*

| MODEL | MCR 40/80 | MCR 40/120 | MCR/40/140 | TCR 140 |
|---|---|---|---|---|
| Wattage (W) | 300 | 450 | 750 | 450 |
| Power | 230-240V/1/50Hz. | 230-240V/1/50Hz. | 230-240V/1/50Hz. | 230-240V/1/50Hz. |
| Weight (Kg.) | 10.5 | 13 | 18 | 18 |
| Dimensions (mm) | 500 x 790 x 70 | 500 x 940 x 70 | 500 x 1400 x 70 | 500 x 1400 x 70 |
| Class | II | II | II | II |
| IP Rating | 44 | 44 | 44 | 44 |
| Cable (mm) | 1200 | 1200 | 1200 | 1200 |

## *Important Information*

See Section “Installation Instructions – Location of Heater” for important notes regarding the siting of the appliance.

Due to the surfaces of the radiator becoming hot, it must not be positioned directly against or below flammable surfaces.

This appliance is only intended for the drying of damp towels or clothes. Do not place flammable objects (e.g. paper, magazines, spray cans, volatile substances or similar objects) near or on the appliance.

WARNING: To avoid risks to very young children this appliance must be installed with the lowest heated rail at least 600mm above the floor.

In case of breakdown or damage turn off the radiator at the main On/Off switch and notify the supplier.

If the electricity cable gets damaged it must only be replaced by a technician appointed by the supplier. This will avoid possible risks and ensure that special tools are available if needed

The radiator is filled with a precise amount of oil and in the event of leakage it must only be opened, if needed, by the manufacturer or by the authorised after sales service.

This appliance is not intended to be used by persons (incl. children) with limited physical, sensory or mental capabilities, or lack of experience, except for those under supervision or have received instruction in the use of the appliance from a person responsible for their security.

Children must be supervised in order to ensure that they do not play with the appliance.

# INSTALLATION INSTRUCTIONS:

## *Electrical Power Supply*

A qualified electrician must carry out the electrical installation of this radiator. The electrical installation must comply with current UK regulations. Any claim on the warranty could be invalid if these requirements have not been met.

The radiator requires a 230/240V 50/60Hz power supply.

Connecting wires:

**Brown: Live**
**Blue: Neutral**

NOTE: The towel rail does not require an earth wire.

The connecting wires must be of the appropriate section, in regards to the length of cable, type of cable and power rating of the apparatus.

The apparatus must be connected into a connecting box. According to regulations, the apparatus must be connected to the power supply by means of an all-pole circuit breaker with a contact gap of at least 3mm or by a thermal-magnetic circuit breaker.

## *Location Of Towel Radiator*

WARNING: To avoid risks to very young children this appliance must be installed with the lowest heated rail at least 600mm above the floor.
It is essential to mount the towel radiator with the control box on the lower right hand side.
In bathrooms, the radiators must not be sited inside the protected area. The control unit switches must not be reachable, directly or indirectly, by a person in the bath or shower.
The radiator, under no circumstances, should be installed below an electric power point.

## *Mounting The Towel Radiator*

The components for fastening the Towel Radiator to a wall are supplied in a bag together with the appliance. There are four support assemblies, each consisting of the following components:

(A) 1 plastic tube Ø28 x 65mm + screw M-5(H)
(B) 1 plastic tube Ø20 x 55mm with threaded inserts
(C) 1 screw Ø10 x 40mm
(D) 1 plastic retainer
(E) 1 plastic cap
(F) 1 screw Ø3 x 45mm

The towel radiator is fixed to the wall by four support assemblies. Two support assemblies should be positioned between the 2nd and 3rd horizontal tubes from the top and two between the 2nd and 3rd horizontal tubes from the bottom. At each level the supports should be spaced so that they are close to the vertical tubes at each end.

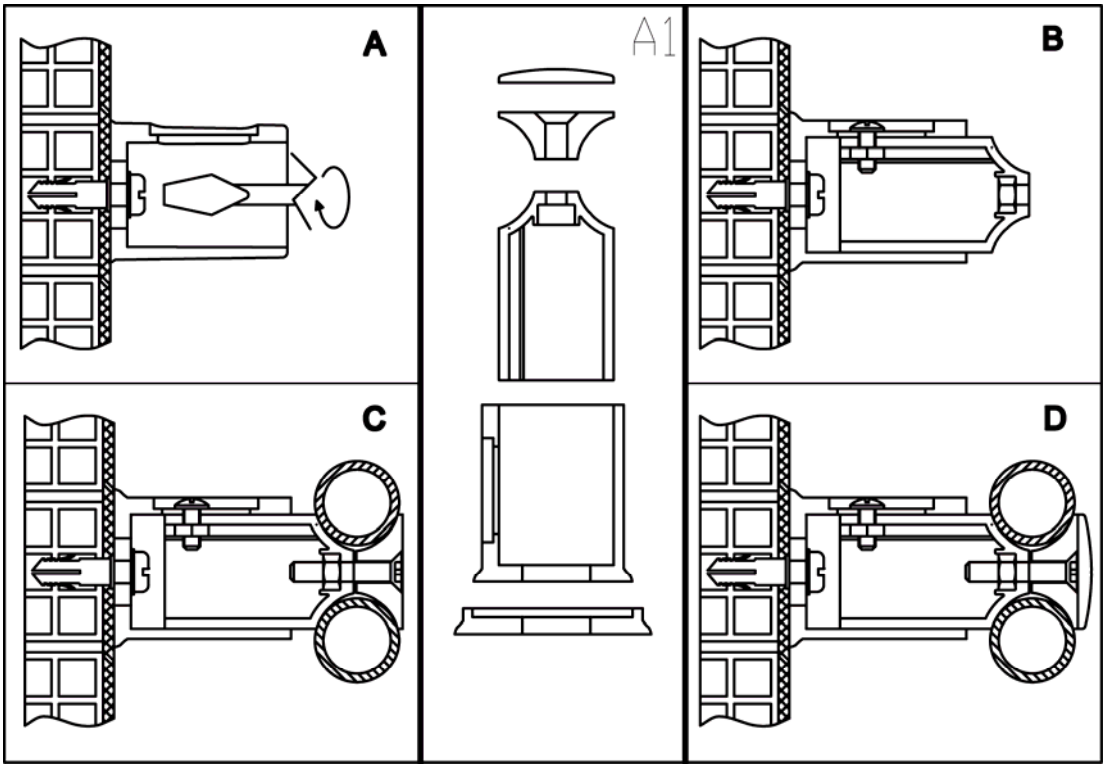
First position the four support assemblies on the towel rail. Locate component (B) in a support position between the tubes from the back of the towel radiator and hold it in position by attaching the retaining component (D) from the front using screw (C). Repeat this in all four support positions.

Now lift the towel radiator onto the wall in the desired location and press against the wall, check that it is level and then mark the position of the four supports. Remove the towel radiator and then drill and plug the wall for the M-5(H) fixing screws.

Screw all four components (A) to the wall ensuring that the hole for the screw (F) is at the top (see Step 1). Then insert components (B) into components (A) and insert the screws (F) (see Step 2). Do not tighten these screws at this stage.

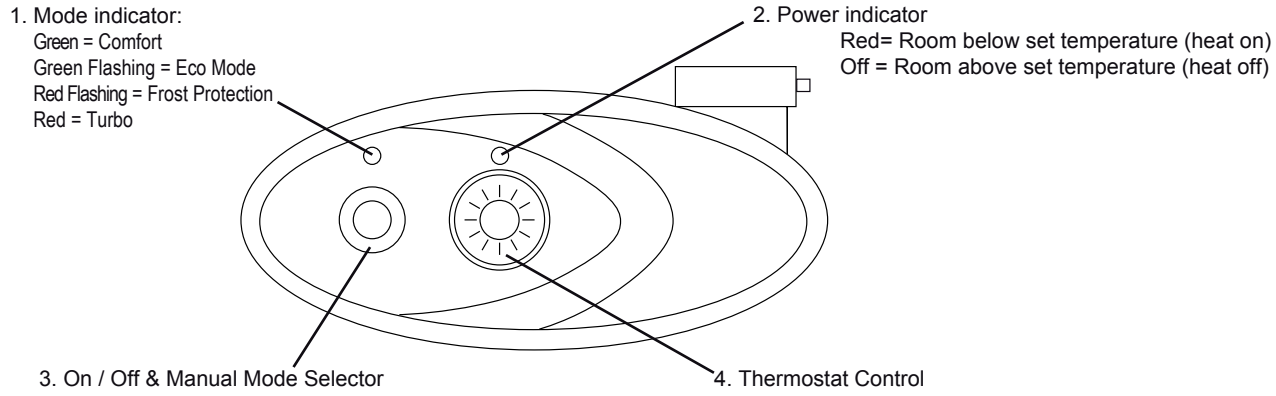
Lift towel radiator onto the supports and secure it there by screwing the retaining components (D) back onto components (B) using screws (C) (see Step 3). Now push the plastic caps (E) onto components (D) (see Step 4).

Check that the towel radiator is in a perfectly vertical position and tighten the screws (F).



# OPERATING INSTRUCTIONS:

MCR / TCR Towel Radiator Controller


1. Mode indicator:
Green = Comfort
Green Flashing = Eco Mode
Red Flashing = Frost Protection
Red = Turbo
2. Power indicator
Red= Room below set temperature (heat on)
Off = Room above set temperature (heat off)
3. On / Off & Manual Mode Selector
4. Thermostat Control

## *Use Of Controls*

To Turn On: Press On/Off/Mode selection button (3).

Further single presses of the On/Off/Mode selection button (3) will now set the thermostat to the various function Modes, stepping through the modes as shown on the following table.

### MODE INDICATOR TABLE

| Mode Indicator (1) | On/Off Indicator (2) | Mode | Function |
|---|---|---|---|
| OFF | OFF | | Towel Rail Off |
| Green | OFF | Comfort | The room temperature is higher than the user set Comfort temperature. |
| Green | Red | Comfort | The room temperature is lower than the user set Comfort set temperature. |
| Red | Red | Turbo | Two hours at full power. At the end of 2hrs. the thermostat will automatically reset to the Comfort Mode. |
| Green Flashing | OFF | Economy | The room temperature is higher than 3.5ºC below the user set Comfort temperature |
| Green Flashing | Red | Economy | The room temperature is lower than 3.5ºC below the user set Comfort temperature. |
| Red Flashing | OFF | Anti-Frost | The room temperature is higher than 7ºC |
| Red Flashing | Red | Anti-Frost | The room temperature is lower than 7ºC |
| Green | Off | Comfort | |

To Turn off: Press and hold down On/Off/Mode selection button (3) for 3 seconds.

## *Function Modes:*

### Comfort Mode

The room temperature is controlled by means of a thermostat. In order to set the desired Comfort Mode temperature, turn the Thermostat Control knob (4) from the position **-** towards **+** . The range of temperature control is from 7ºC to 30ºC. When the room temperature is lower than the Comfort temperature set on the Thermostat Control, the towel radiator heats up and the green indicator light (1) comes on indicating that the heating element is on. When the temperature in the room is higher than that set on the Thermostat Control, the heating element will be turned off and the indicator light (1) will go out.

### Turbo Mode

This mode is used to speed up the drying of towels or to heat up the room rapidly. This mode permits the appliance to function at full power for 2hrs., irrespective of the temperature that is set on the thermostat.

### Economy Mode

In this mode the towel rail will maintain a room temperature 3.5ºC below the Comfort temperature that has been set on the Thermostat Control.

### Frost Protection Mode

In this Mode the thermostat is automatically set at 7ºC. The towel radiator will only come on if the room temperature falls below 7ºC.

## *Control Using A Ducasa Remote Programmer (Optional)*

The Ducasa digital controller can be used to set all the function modes previously described. In addition to setting the heating mode it also allows 24 hour, 7 day timing and a range of features such as Holiday Programme.

If the towel radiator is controlled by the Ducasa remote programmer the mode indicator will flash Green periodically.

# MAINTENANCE AND CARE

Ducasa radiators require very little maintenance.

The surfaces of the radiator must not be cleaned with an abrasive product or those containing granular substances.

We recommend regular cleaning with PH neutral products.

In order to clean the radiator, it is recommended that the electric power is switched off.

## Guarantee

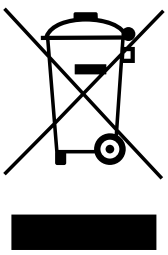
Your appliance is guaranteed for two years from the date of purchase – during this period we will repair or exchange, at our discretion, any faulty or defective parts providing the appliance has been used in accordance with the operating & installation instructions and has not been misused or mistreated in any way.
Any unauthorised repair or attempted repair will invalidate the guarantee.
This guarantee is additional to your statutory rights.

In the unlikely event of a problem with your appliance please contact your supplier.

## Correct Disposal of This Product

(**W**aste **E**lectrical & **E**lectronic **E**quipment)

**(Applicable in the European Union and other European countries with separate collection systems)**



This marking shown on the product or its literature, indicates that it should not be disposed of with other household wastes at the end of its working life.
To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

**UK Distributor of Ducasa Products:**
Heattend Products Ltd
Web: www.heattend.co.uk
Email: enquiries@heattend.co.uk